

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(071CC5)	Hex(4435E2)	Hex(684EFF)	Hex(8967FF)	Hex(A981FF)	Hex(C89CFF)	Hex(E7B8FF)	Hex(FFD4FF)	Hex(FFF0FF)	Hex(FFFFFF)
Hex(071CC5)		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 8.13 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 10.60 Passed ⁶
Hex(4435E2)	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.45 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶
Hex(684EFF)	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(8967FF)	Ratio: 2.75 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 3.85 AA 18pt ²
Hex(A981FF)	Ratio: 3.67 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(C89CFF)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(E7B8FF)	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(FFD4FF)	Ratio: 8.13 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(FFF0FF)	Ratio: 9.67 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(FFFFFF)	Ratio: 10.60 Passed ⁶	Ratio: 7.36 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.10 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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